

In the United States Patent and Trademark Office

Application No.: To be assigned

Filing Date:

Title: Improved Optical Concentrator for

Solar Cell Electrical Power Generation

Applicant(s): Clark, Roy

Attorney Docket No.: 03-0012

Examiner: To be assigned

Art Unit: To be assigned

Information Disclosure Statement

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Commissioner,

This Information Disclosure Statement is filed pursuant to 37 C.F.R. §§ 1.56 and 1.97(e). The reference cited in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement, namely the international search report for the companion PCT application for the referenced application mailed on 10 Sept 2003. A copy of the international search report is attached for reference.

It is requested that the following US Patents be considered with respect to examination of the referenced application.

Patent Number	Inventor	Issue date
4,069,812 B1	O'Neill	01/ 24/1978
4,337,759 B1	Popovich et al.	07/06/1982
5,404,869 B1	Parkyn, Jr., et al.	04/11/1995
5,498,297 B1	O'Neill , et al.	03/12/1996
5,505,789 B1	Fraas , et al.	04/09/1996
5,577,492 B1	Parkyn, Jr. , et al	11/26/1996
5,577,493 B1	Parkyn, Jr. , et al	11/26/1996
5,613,769 B1	Parkyn, Jr. , et al	03/25/1997
5,676,453 B1	Parkyn, Jr. , et al	10/14/1997
5,806,955 B1	Parkyn, Jr. , et al	09/15/1998
6,031,179 B1	O'Neill	02/29/2000
6,075,200 B1	O'Neill	06/13/2000
6,111,190 B1	O'Neill	08/29/2000

Certification under 37 C.F.R. §1.10

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on Date: *10/30/2003*

By: 

Felix L. Fischer, Registration No. 31,614

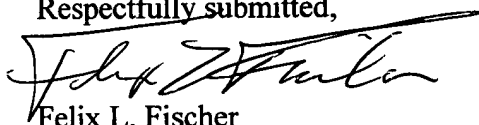
It is requested that the following publications be considered with respect to examination of the referenced application.

WELFORD, W. T. & WINSTON, R., High Collection Nonimaging Optics, Academic Press, San Diego, CA, 1989 pgs 54-65, 124-129
GORDON, J. M. & H. RIESS, Applied Optics 32(13) 2243-2251 (1993), Tailored edge ray concentrators as ideal second stages for Fresnel reflectors
ONG, P. T.; J. M. GORDON & A. RABL, Applied Optics 34(34) 7877-7887 (1993), Tailoring lighting reflectors to prescribed illuminance distributions: compact partial involute designs
ONG, P. T.; J. M. GORDON & A. RABL, Applied Optics 35(22) 4361-4371 (1996), Tailored edge ray designs for illumination with tubular sources
ONG, P. T.; J. M. GORDON, A. RABL & W. CAI, Optical Engineering 34(6) 1726-1737 (1995), Tailored edge ray designs for uniform illumination of distant targets
RABL, A., Applied Optics 33(7) 1248-1259 (1994), Edge ray method for analysis of radiation transfer among specular reflectors
RABL, A. & J. M. GORDON, Applied Optics 33(25) 6012-6021 (1994), Reflector design for illumination with extended sources: the basic solutions
FRIEDMAN, R. P. & J. M. GORDON, Applied Optics 35(34) 6684-6691 (1996), Optical designs for ultrahigh flux IR and solar energy collection: monolithic dielectric tailored edge ray concentrators

The filing of this information disclosure statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b).

Forms PTO/SB/08A and PTO/SB/08B are attached hereto for use by the Examiner during prosecution of the referenced case.

Respectfully submitted,



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Sheet

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of

1

Application Number

To be assigned

Filing Date

10/30/2003

First Named Inventor

Clark, Roy

Art Unit

To be assigned

Examiner Name

To be assigned

Attorney Docket Number

03-0012

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		WELFORD, W. T. & WINSTON, R., High Collection Nonimaging Optics, Academic Press, San Diego, CA, 1989 pgs 54-65, 124-129	
		GORDON, J. M. & H. RIESS, Applied Optics 32(13) 2243-2251 (1993), Tailored edge ray concentrators as ideal second stages for Fresnel reflectors	
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Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

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**INFORMATION DISCLOSURE
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Sheet 1

of 1

Complete if Known

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Filing Date	10/30/2003
First Named Inventor	Clark, Roy
Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	03-0012

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,069,812	01/ 24/1978	O'Neill	All
		US- 4,337,759	07/06/1982	Popovich et al.	All
		US- 5,404,869	04/11/1995	Parkyn, Jr., et al.	All
		US- 5,498,297	03/12/1996	O'Neill, et al.	All
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		US- 5,577,492	11/26/1996	Parkyn, Jr., et al	All
		US- 5,577,493	11/26/1996	Parkyn, Jr., et al	All
		US- 5,613,769	03/25/1997	Parkyn, Jr., et al	All
		US- 5,676,453	10/14/1997	Parkyn, Jr., et al	All
		US- 5,806,955	09/15/1998	Parkyn, Jr., et al	All
		US- 6,031,179	02/29/2000	O'Neill	All
		US- 6,075,200	06/13/2000	O'Neill	All
		US- 6,111,190	08/29/2000	O'Neill	All
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

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